

We Rely On Gold and Silver

Use the statements to make a mural showing a wide range of uses for gold and silver.

- Choose a statement (already printed onto shapes and cut out) from the board.
- Draw and colour a picture to illustrate the statement, or find a magazine picture and cut it out.
- Attach the statement and the picture onto the mural around the heading (WE RELY ON GOLD AND SILVER).
- The mural may be taken back to your school after each group in the class has participated.

Gold helps your digital radio alarm clock to wake you in the morning

Gold helps you call someone on the telephone

Photochromatic lenses in glasses turn a darker colour because of gold

You flick a switch and the lights come on because of gold

Windows in high rise buildings use gold reflective glass to help keep them cool in summer and warm in winter

Gold is used in TV sets

A microwave oven uses gold to cook your dinner

Gold and silver for jewellery

Gold and silver for investment

Gold and silver in coins

Arthritis is treated with gold injections

Serious burns are treated with silver

Dentists use gold and silver

Gold helps to relay millions of messages through microchips in computers

Silver is used to develop prints in photography. One ounce of silver will make approximately 5000 colour photos

Silver is used to make x-ray and photographic films

Satellites use gold to send messages around the world

Radars use gold to navigate ships and planes

A film of gold protects a fireman's face from heat

Gold is used to line an astronaut's suit

Gold is used in space to protect equipment from solar radiation

Gold is used in the treatment of several forms of cancer

Gold leaf is used to treat ulcers

Silver is used in long-life batteries for watches, cameras, hearing aids, calculators

Silver is used to reflect light in mirrors

Silver helps to make cut flowers last longer in a vase

Silver can be seeded into cloud to make rain

Swimming pool filters use silver to clean the water

Silver is used to purify drinking water

Microwave cookware has a silver coating to brown or crisp food

Gold was used to decorate the tombs of ancient Egyptian pharaohs

Gold was used to adorn temples

Gold and silver are used as decoration on cups, saucers and plates

Gold and silver for cutlery

Gold is used to decorate leather on diaries, albums and other precious books

Some surgical instruments are made of gold

Silver is used to make the rear-window defrosters in cars

Sterling Silver is made up of 92.5% silver and 7.5% copper

A washing machine uses 16 silver contacts to control the motor, pumps and gears

Silver contacts are used to start electric motors

Gold catalysts are being trialled to help improve the air quality in underground mining

The Auckland Sky Tower has a gold-plated ball at the top to conduct electricity safely to the ground, should the tower be struck by lightning

Gold is put on the surface of CD's for a high reflectivity